KITE CAM RIG/KCR11

KITESURFING CAMERA MOUNT

COMPATIBLE WITH MOST INFLATABLE KITES AND MOST WATERPROOF COMPACT DIGITAL CAMERAS

Attach a Camera to your Kite

THANK YOU FOR PURCHASING A KITECAMRIG

AND WELCOME TO THE WORLD OF KITESURFING AERIAL PHOTOGRAPHY AND VIDEOGRAPHY.

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OVERVIEW

The KiteCamRig KCR11 is a camera housing designed (patent pending) to fit most compact digital cameras smaller than 112 x 65 x 25 mm (4.4 x 2.5 x 1 inch), like the waterproof Pentax Optio cameras W series or Olympus SW series.

With the KiteCamRig system, you can mount your camera onto most inflatable kites, and let it shoot automatically aerial photos or videos while kitesurfing, giving the impression of helicopter shots. (See Kite Compatibility List, p. 12)

1. Included

You should have received the following items in your CamRig package:

- 1 KiteCamRig KCR11 : camera housing (water and shock resistant) with a straps system to attach it onto an inflatable kite for kitesurfing. (See if your kite is compatible p. 12)
- 1 safety Velcro strap
- This Instruction Manual

2. Not Included but Needed

You have to purchase separately:

- 1 Waterproof Digital Camera
  smaller than 112 x 65 x 25mm (4.4 x 2.5 x 1in)

  For example :

  – Pentax Optio W series,
  – Olympus SW series,
  – Panasonic DMC-TS1, TS2, FT1, FT2,
  – Casio Exlim Ex-G1
  – Canon D10

- SD or SDHC card (up to 32 gb.)

Refer to the camera User Manual to learn how to use it.

Some extra advices and tips can be found at the end of this manual (p. 10) and on www.camrig.com

Disclaimer: Use at your own risk. Although the KiteCamRig comes with several safety devices, CamRig.com is not responsible for the damages on your kite or loss of your camera while using it.

Note: Although the KiteCamRig has been mostly tested with the Pentax Optio waterproof cameras, it has been designed to fit most compact digital cameras. A waterproof camera is obviously a better choice for water sports activities. The KiteCamRig is water resistant but is not designed to protect the camera from water.

PRODUCT DIAGRAM

USAGE CONTINUED

1. Attaching Camrig onto an Inflateable Kite

First, inflate the kite.
If the canopy and the strut are **too tight** against each other and make it difficult to insert the straps in between, you might want to **deflate the strut** a bit during the installation of the KiteCamRig, and inflate it again after.

Wrap the safety strap around the strut.

Wrap tightly the back strap around the central strut of the kite, between the leading edge and the valve.

Wrap tightly the **front strap** around the central strut, behind the valve.

If a strap is way too long, you might want to cut a few centimeters at each end (but not too much!).

2. Taking Photos and Videos

Once you are **ready to go** kitesurfing, turn your camera on, start shooting in photo mode (interval shooting) or video mode. Insert the camera in the CamRig housing and close the cover.

USAGE CONTINUED

To better prevent your camera from falling, attach its leash to the safety Velcro strap.

Wrap the cover Velcro strap around the cover for extra safety.

Now you are ready to go on the water.

After your first shooting session, look at your images : most likely, you will need to **adjust the camera angle** for better framing.

See next page.

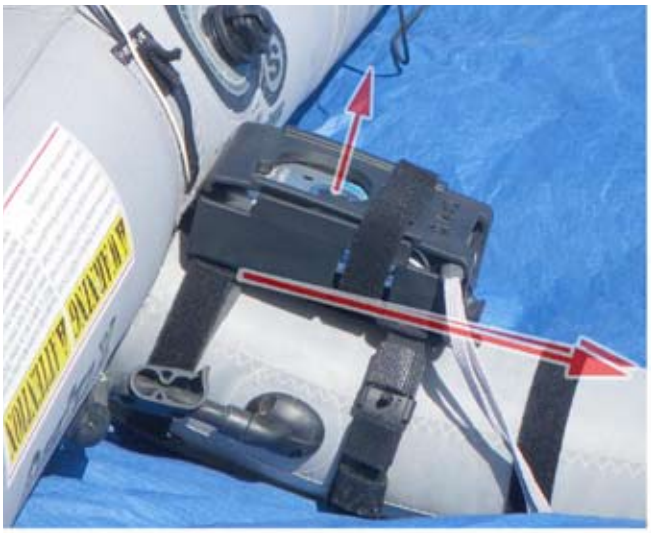
3. Adjusting the Camera Angle

On the **Front Strap**, open the **short Velcro cuffs** above and below the peg for each **plastic leg**,

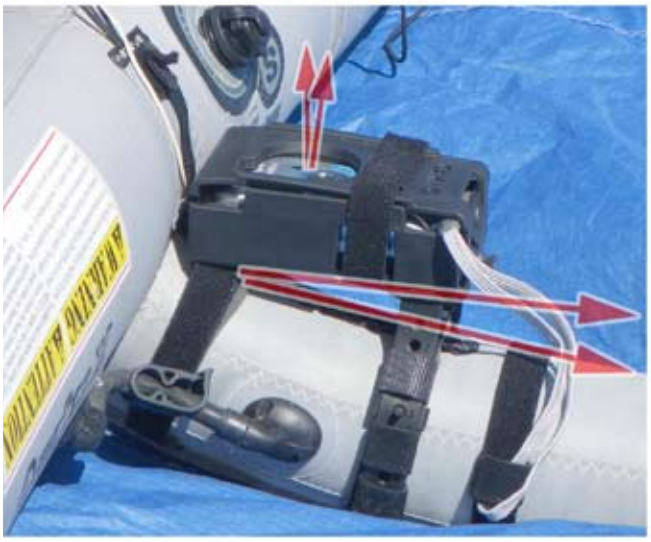
adjust the leg position to a different hole to modify the length of the leg.

Then wrap again the Velcro cuffs around the plastic legs. This modifies the angle of the camera with the strut. The next page shows how it affects the framing of the photos/video.

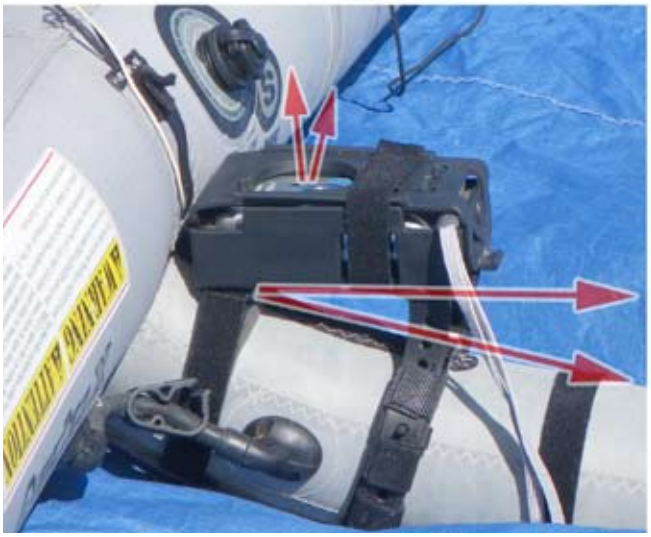
USAGE CONTINUED



Low angle - Camera shoots too far behind kitesurfer



Medium angle - kitesurfer well centered



High Angle - Camera shoots too far in front of kitesurfer

If the camera shoots **too far behind** the kitesurfer, **raise** the angle. If the camera shoots **too far in front** of the kitesurfer, **reduce** the angle.

CAMERA TIPS

Tip #1 :

Don't wait to be at the beach to learn how to use the camera!

When you will be about to launch your kite, you won't have much time to figure out the menus and settings of your camera. Refer to its User Manual to learn how to use it.

1. Shooting Photos

The **Pentax Optio W series** is so far the only waterproof compact digital camera with an **interval shooting mode**, that lets it shoot automatically up to 1000 photos (up to 12 Mp) while you are kitesurfing. This makes it the best choice for Kitesurfing aerial photography. Therefore this manual focuses on this model.

Unfortunately the interval can not be shorter than **10 seconds,** so you just have to be lucky to get shot at that perfect right moment when you are jumping. Still, you end up with 100s of photos, most of them very similar and hopefully some really cool ones.

One bug with the Interval Shooting mode on the Pentax Optio: when using the minimum interval of 10 seconds, it's **difficult to interrupt** it once started, without **pulling out the battery**. (Still, try not to open the water-tight flap with wet and sandy fingers...)

Once you start the Interval Shooting mode, to make sure it is set up properly, wait for the second photo to be shot before placing the camera in its mount.

2. Shooting Videos

Make sure you start the camera correctly and do not **turn it off by accident** while inserting it inside the KCR11.

Zoom : make sure the options **Optical and Digital Zoom** in Rec Setting menu are turned **off**. Otherwise, the zoom is still active while shooting and its buttons might get pressed accidentally inside of the KCR11.

Since the kite moves a lot while kitesurfing, you might need to **stabilize** and rotate your clip in post-processing using an editing software with such special effect tools. A tutorial is available on www.camrig.com

3. General Tips

Try to keep the **lens clean**. It's not always easy when you are on the beach, but if it's too dirty, find a smooth cloth or something to clean it. No blurry photos.

Rinse the camera with clear water after the ocean.

Dust the rubbery flap for the battery. If **sand** get's in the way, the camera might not be as **waterproof** anymore.

Although these compact digital cameras are supposed to be **waterproof** up to 9 feet deep, it's a good idea to **use them above the water only**. Do not submerge them for too long. Their watertight body does not age well with sand and dust.

KITE COMPATIBILITY

1. No Stitches between Strut and Canopy below Valve

You can attach the KiteCamRig to your kite only if the **central strut** is not completely **stiched to the canopy** near the leading edge.

If there is not enough clearance to insert both straps of the KiteCamRig around the strut, from the leading edge up to a few inches after the valve, then you might need a **Strut Brace** (available at www.camrig.com).

2. Compatibility with kites by brands and models

So far, KiteCamRig installation has been checked with the following kites :

BRAND	MODEL	YEAR	COMPATIBLE
Best	Bularoo	2007	Yes!
Best	Waroo	2006-2008	Yes! (deflate a bit first)
Cabrinha	All models*	Any*	Yes!
Catapult	Jocker	2007	Yes!
Caution	Mayhem	2009-2010	Yes!
Caution	Spit Fire 1&2	2007-2008	Needs Strut Brace
Core	GT	2010	Yes!
Eclipse	Thruster	2007-2008	Yes!
EH	Beast, EZE	2008	Yes!
F-One	Bandit	2008-2010	No.
Flexifoil	Ion, Ion2	2006-2007	Needs Strut Brace
GK	Sonic, Vsonic, Trix	2006-2008	Yes!
Naish	Helix, Cult	2008-2010	Yes!
Naish	Shockwave, Torch	2007	Needs Strut Brace
North	All models*	Any*	Yes!
Ocean Rodeo	All models*	Any*	Yes!
Slingshot	Rev	2008-2010	Yes!
Slingshot	Fuel, Octane	2006-2007	No.
Slingshot	Turbo Diesel, Turbo2	2006-2007	Yes!

[**All models***], [**Any***] means all tested models for that brand were compatible so far.